

CLAIMS

1. A pole ring, particularly for a D.C. motor, with several retaining projections provided at the outer circumference, for the secure radial and axial retainment in a motor housing, the retaining projections comprising a retaining surface pointing oppositely to the mounting direction.
2. The pole ring of claim 1, characterized in that the retaining surfaces have a sharp edge pointing outward.
3. The pole ring of claim 1, characterized in that the retaining surfaces extend substantially radially.
4. The pole ring of claim 1, characterized in that the retaining projections extend in longitudinal direction.
5. The pole ring of claim 1, characterized in that each of the retaining projections has a guiding chamfer.
6. The pole ring of claim 1, characterized by a guiding chamfer provided at that side of the pole ring located in front in mounting direction.
7. The pole ring of claim 1, characterized in that each of the guiding projections extends over half the length of the pole ring at maximum.
8. The pole ring of claim 1, characterized in that all retaining projections of the pole ring located behind in mounting direction are angularly offset with respect to the front retaining projections in circumferential direction.

9. The pole ring of claim 1, characterized in that at least two retaining projections are mutually offset in circumferential direction of the pole ring.
10. An electric motor, comprising a rotor arranged in a housing and a pole ring of one of claim 1, surrounding the rotor.
11. The electric motor of claim 10, characterized by a bearing arranged in the housing, for bearing the rotor shaft, and a retaining disc for fixing the position of the bearing, the pole ring fixing the retaining disc.
12. The electric motor of claim 11, characterized in that the retaining disc comprises an inner portion contacting the bearing and an outer portion contacting the pole ring.